

REMARKS

Election of Species Requirement

Claims 1-52 are currently pending in the application and subject to an Election of Species Requirement.

The Office has not specifically identified any species of invention, merely requiring that an election of “[a]ny one species or set of drawings of the same species in figures 1-22” be made.

The drawings of the above-referenced application could be considered to show the following species of invention:

Fig. 1 is representative of all of the species of invention;

Figs. 2 and 3 show a species of substrates (“Species 1”) that include contacts on only two opposite edges thereof which are configured for assembly with semiconductor devices that include bond pads that are in-line with each other;

Fig. 4 illustrates a species of substrates (“Species 2”) that include contacts on three consecutive edges thereof;

Figs. 5 and 15 generically depict a species of substrates (“Species 3”) that include edge contacts with recesses therein;

Figs. 6 and 10 show a subspecies of contact (of Species 3 (Figs. 5 and 15)) (“Species 3A”) that, when viewed from a major surface of the substrate, includes a conductive section that is formed by a nonenlarged end of a conductive trace and occupies only a portion of an edge of a recess formed in a contact-bearing edge of the substrate;

Figs. 7, 11, and 14 show a subspecies of contact (of Species 3 (Figs. 5 and 15)) (“Species 3B”) that, when viewed from a major surface of the substrate, includes a conductive section that is formed by an enlarged, rectangular (diamond-shaped before adjacent [substrates] are separated from one another) end of a conductive trace and occupies an entire edge of a recess formed in a contact-bearing edge of the substrate;

Figs. 8 and 12 show a subspecies of contact (of Species 3 (Figs. 5 and 15)) (“Species 3C”) that, when viewed from a major surface of the substrate, includes a conductive section that is formed by an enlarged, triangular end (diamond-shaped before adjacent

[substrates] are separated from one another) of a conductive trace and occupies an entire edge of a recess formed in a contact-bearing edge of the substrate;

Figs. 9 and 13 show a subspecies of contact (of Species 3 (Figs. 5 and 15)) (“Species 3D”) that, when viewed from a major surface of the substrate, includes a conductive section that is formed by an enlarged, rectangular end (a conductive strip joining separate conductive elements and extending along a singulation line before adjacent substrates are separated from one another) of a conductive trace and occupies an entire edge of a recess formed in a contact-bearing edge of the substrate;

Fig. 16 illustrates a species of edge contact (“Species 4”) that lacks a recess;

Fig. 19 generically depicts a species of [connection structure/post] (“Species 5”) that may be used to establish electrical contact with the contacts of Species 4 (Figs. 15 and 5-13);

Figs. 20-22 show three subspecies of [connection structures/posts] (“Species 5A, 5B, and 5C, respectively) that may be used to establish electrical contact with the contacts of Species 3 (Figs. 15 and 5-13) and Species 4 (Fig. 16);

Figs. 18 and 19 show a species of assembly (“Species 6”) that employs the posts of Species 5 (Figs. 19 and 20-22) and the substrates of Species 3 and 4;

An election is hereby made, without traverse, to prosecute the invention of Species 3, Subspecies 3B.

It is respectfully submitted that each of claims 1-45 reads on Species 3, Subspecies 3B, as each of these claims includes within its scope contacts with recesses formed therein.

It is further submitted that claims 1-5, 8-10, 12-15, 19-31, 34-39, and 42-45 is generic to each of Species 1-6, including all subspecies, as all of these claims read on all of the identified species of invention.

Upon allowance of a generic claim, it is respectfully submitted that any claims that are withdrawn from consideration (e.g., claims 46-52) should also be allowed. M.P.E.P.

§ 806.04(d).

Information Disclosure Statements

Please note that Information Disclosure Statements were filed in the above-referenced application on December 15, 2003, and March 4, 2004, but that the undersigned attorney has not yet received any indication that the references cited in the Information Disclosure Statements have been considered in the above-referenced application. It is respectfully requested that the references cited in the Information Disclosure Statements of December 15, 2003, and March 4, 2004, be considered and made of record in the above-referenced application and that initialed copies of the Forms PTO/SB/08A that accompanied these Information Disclosure Statements be returned to the undersigned attorney as evidence of such consideration.

If any of the documents or portions thereof are unavailable, the undersigned attorney would be apply to supply the same to the Office.

In view of the foregoing, it is respectfully requested that each of claims 1-45 be considered on the merits.

Respectfully submitted,



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